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International application number: PCT/AU05/000054

International filing date: 18 January 2005 (18.01.2005)

Document type: Certified copy of priority document

Document details: Country/Office: AU  
Number: 2004901743  
Filing date: 01 April 2004 (01.04.2004)

Date of receipt at the International Bureau: 08 February 2005 (08.02.2005)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



World Intellectual Property Organization (WIPO) - Geneva, Switzerland  
Organisation Mondiale de la Propriété Intellectuelle (OMPI) - Genève, Suisse



Australian Government

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I, JANENE PEISKER, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2004901743 for a patent by PIPERCOVE SOFTWARE PTY LTD as filed on 01 April 2004.



WITNESS my hand this  
First day of February 2005

JANENE PEISKER  
TEAM LEADER EXAMINATION  
SUPPORT AND SALES

## A System and approach to integrate System Analysis and Project Management

This provisional patent application provides a description of a computer software application called Pipercove System Analysis.

Pipercove System Analysis is a software application Add-in for Microsoft Project™. A software application Add-in when installed on a computer that has previously had installed Microsoft Project™ can be accessed when Microsoft Project™ is operational usually through a Toolbar menu and the Application menu. Therefore Microsoft Project™ is considered to be a host for the Pipercove System Analysis application.

Pipercove System Analysis permits the user to carry out System Analysis operations, computations and to create reports whilst using Microsoft Project™.

Pipercove System Analysis provides new approaches to obtaining a consolidation of outcomes from system analysis and project management software applications.

Pipercove System Analysis provides principals and functions in system analysis areas including:

1. System Analysis
2. Technical and Financial Risk Analysis
3. Life Cycle Costing
4. Sensitivity Analysis
5. Environmental Analysis
6. Sustainability Analysis

Pipercove System Analysis provides new ideas and a unique "manner of manufacture" by providing:

1. System Analysis integration with Project Management. Pipercove System Analysis integrates system analysis principals and algorithms with project management principals and algorithms provided by Microsoft Project™. Microsoft Project™ provides the user with project management principals and algorithms for the creation of a "project plan" based on "Tasks" and "Résources". Microsoft Project™ does not directly provide the user with a mechanism to include in the "project plan" an analysis of the system(s) created or managed through the "project plan".
2. System analysis and comparison incorporating project planning constructs. Pipercove System Analysis permits the user to create one or more systems for analysis. Each created system may be "frozen" meaning that the user has opted to not permit any changes to be made to the system whilst it is in this "frozen" state. The user is then able to copy a "frozen" system or create a new system. Each system created whether frozen or not can be compared. A system can be "unfrozen". Each created system may include all "tasks" and "resources" from the project plan and can add all system information as "tasks" and "resources" in the project plan.
3. System(s) and multiple project plans. Microsoft Project™ stores "project plans" as separate entities. Multiple "project files" can be opened at the same time to permit each to be used separately or for information to be copied between "project files". Pipercove System Analysis provides users with the capability to copy and paste system(s) developed

in conjunction with one Microsoft Project™ "project plan" to a new or alternate Microsoft Project™ "project plan" (project file).

4. The system being studied is built by accessing components from parts libraries. The parts libraries are able to be accessed by the user from within Pipercove System Analysis. The parts libraries contain components, the components can be added, edited, deleted from within Pipercove System Analysis. The components can be "dragged and dropped" onto the system in a tree structure. Multiple parts libraries can be opened at the same time.

System analysis techniques, principals and algorithms provided by Pipercove System Analysis are not provided by Microsoft Project™. Microsoft Project™ provides principals and functionality directly relating to "project plans" using "Tasks" and "Resources".

Pipercove System Analysis provides a useful Add-in to Microsoft Project™ by providing system analysis integration to a project management software application and thereby making system analysis principals and algorithms available to users of Microsoft Project™.

*Mark A. Gregory*  
MARK A. GREGORY